

Express Mail: ER 224693205 US

FORM PTO-1449 (Rev. 2-32)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. M03A287	SERIAL NO. 10/064,154			
 		APPLICANT Fink et al.					
		FILING DATE June 14, 2002	GROUP <u>1724</u>	<u>1753</u>			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
<u>SHV</u>	1	4,028,246	June 7, 1977	Lund et al.	210	151	
<u>SHV</u>	2	4,094,237	June 13, 1978	Riordan	99	451	
<u>SHV</u>	3	4,323,437	Apr. 6, 1982	Mucenieks	204	98	
<u>SHV</u>	4	4,400,270	Aug. 23, 1983	Hillman	210	103	
<u>SHV</u>	5	4,427,636	Jan. 24, 1984	Obenshain	422	186.07	
<u>SHV</u>	6	4,469,951	Sep. 4, 1984	Coco et al.	250	494.1	
<u>SHV</u>	7	4,482,809	Nov. 13, 1984	Maarschalkerweerd	250	436	
<u>SHV</u>	8	4,534,282	Aug. 13, 1985	Marinoza	99	451	
<u>SHV</u>	9	4,536,332	Aug 20, 1985	Davis et al.	260	97.6	
<u>SHV</u>	10	4,547,197	Oct. 15, 1985	Winkler	23	302 T	
<u>SHV</u>	11	4,621,195	Nov. 4, 1986	Larsson	250	438	
<u>SHV</u>	12	4,661,264	Apr. 28, 1987	Goudy, Jr.	210	748	
<u>SHV</u>	13	4,694,179	Sept. 15, 1987	Lew et al.	250	431	
<u>SHV</u>	14	4,766,321	Aug. 23, 1988	Lew et al.	250	431	
<u>SHV</u>	15	4,798,702	Jan. 17, 1989	Tucker	422	24	
<u>SHV</u>	16	4,872,980	Oct. 10, 1989	Maarschalkerweerd	210	243	
<u>SHV</u>	17	4,899,056	Feb. 6, 1990	Ellner	250	431	
<u>SHV</u>	18	4,899,057	Feb 6, 1990	Koji	250	436	
<u>SHV</u>	19	4,922,114	May 1, 1990	Boehme	250	436	
<u>SHV</u>	20	4,968,489	Nov. 6, 1990	Peterson	422	186.3	
<u>SHV</u>	21	4,968,891	Nov. 6, 1990	Jhawar et al.	250	438	
<u>SHV</u>	22	4,971,687	Nov. 20 1990	Anderson	210	85	
<u>SHV</u>	23	5,006,244	Apr. 9, 1991	Maarschalkerweerd	210	243	
<u>SHV</u>	24	5,035,784	July 30, 1991	Anderson et al.	204	158.14	
<u>SHV</u>	25	5,037,618	Aug. 6, 1991	Hager	422	186.03	
<u>SHV</u>	26	5,114,670	May 19, 1992	Duffey	422	24	
<u>SHV</u>	27	5,141,636	Aug. 25, 1992	Flanagan et al.	210	209	



<i>SHV</i>	5,144,146	Sept. 1, 1992	Wekhof	250	492.1	
<i>SHV</i>	29	5,145,515	Sept. 8, 1992	Gallup et al.	75	712
<i>SHV</i>	30	5,150,705	Sept. 29, 1992	Stinson	128	396
<i>SHV</i>	31	5,166,527	Nov. 24, 1992	Solymar	250	436
<i>SHV</i>	32	5,186,907	Feb. 16, 1993	Yanagi et al.	422	186.3
<i>SHV</i>	33	5,200,156	Apr. 6, 1993	Wedekamp	422	186.3
<i>SHV</i>	34	5,207,921	May 4, 1993	Vincent	210	704
<i>SHV</i>	35	5,208,461	May 4, 1993	Tipton	250	436
<i>SHV</i>	36	5,230,792	Jul. 27, 1993	Sauska et al.	210	97
<i>SHV</i>	37	5,266,215	Nov. 1993	Engelhard	210	748
<i>SHV</i>	38	5,288,461	Feb. 22, 1994	Gray	422	24
<i>SHV</i>	39	5,290,439	Mar. 1, 1994	Buchwald	210	198.1
<i>SHV</i>	40	5,308,505	May 3, 1994	Titus et al.	210	745
<i>SHV</i>	41	5,320,749	Jun. 14, 1994	Mullen	210	199
<i>SHV</i>	42	5,352,359	Oct. 4, 1994	Nagai et al.	210	192
<i>SHV</i>	43	5,366,705	Nov. 22, 1994	Reidy	422	243
<i>SHV</i>	44	5,368,826	Nov. 29, 1994	Weltz et al.	422	243
<i>SHV</i>	45	5,393,419	Feb. 28, 1995	Tiede et al.	210	192
<i>SHV</i>	46	5,401,394	Mar. 28, 1995	Markham	210	85
<i>SHV</i>	47	5,413,768	May 9, 1995	Stanley, Jr.	422	186.3
<i>SHV</i>	48	5,418,370	May 23, 1995	Maarschalkerweerd	250	431
<i>SHV</i>	49	5,422,487	June 6, 1995	Sauska et al.	250	436
<i>SHV</i>	50	5,440,131	Aug. 8, 1995	Hutchison et al.	250	435
<i>SHV</i>	51	5,471,063	Nov. 28, 1995	Hayes et al.	250	436
<i>SHV</i>	52	5,504,335	Apr. 2, 1996	Maarschalkerweerd	250	435
<i>SHV</i>	53	5,505,904	Apr. 9, 1996	Haidinger et al.	422	24
<i>SHV</i>	54	5,529,689	June 25, 1996	Korin	210	232
<i>SHV</i>	55	5,532,549	July 2, 1996	Duzyk et al.	313	489
<i>SHV</i>	56	5,539,209	July 23, 1996	Maarschalkerweerd	250	436
<i>SHV</i>	57	5,540,848	July 30, 1996	Engelhard	210	748
<i>SHV</i>	58	5,547,635	Aug. 20, 1996	Duthie, Jr.	422	24
<i>SHV</i>	59	5,560,958	Oct. 1, 1996	Duzyk et al.	427	67
<i>SHV</i>	60	5,573,666	Nov. 12, 1996	Korin	210	232
<i>SHV</i>	61	5,580,461	Dec. 3, 1996	Cairns et al.	210	673
<i>SHV</i>	62	5,589,132	Dec. 31, 1996	Zippel	422	24

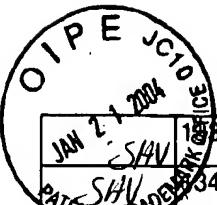


<i>SHV</i>	63	5,590,390	Dec. 31, 1996	Maarschalkerweerd	422	186.3	
<i>SHV</i>	64	5,597,482	Jan. 28, 1997	Melyon	210	209	
<i>SHV</i>	65	5,611,918	Mar. 18, 1997	Markham	210	87	
<i>SHV</i>	66	5,612,001	Mar. 18, 1997	Matschke	422	121	
<i>SHV</i>	67	5,614,723	Mar. 25, 1997	Oppenländer et al.	250	435	
<i>SHV</i>	68	5,624,573	Apr. 29, 1997	Wiesmann	210	748	
<i>SHV</i>	69	5,626,768	May 6, 1997	Ressler et al.	210	748	
<i>SHV</i>	70	5,628,895	May 13, 1997	Zucholl	210	85	
<i>SHV</i>	71	5,655,483	Aug. 12, 1997	Lewis et al.	119	720	
<i>SHV</i>	72	5,660,719	Aug. 26, 1997	Kurtz et al.	210	85	
<i>SHV</i>	73	5,675,153	Oct. 7, 1997	Snowball	250	438	
<i>SHV</i>	74	5,707,594	Jan. 13, 1998	Austin	422	186.3	
<i>SHV</i>	75	5,744,094	Apr. 28, 1998	Castberg et al.	422	24	
<i>SHV</i>	76	5,753,106	May 19, 1998	Schenck	210	96.1	
<i>SHV</i>	77	5,779,912	July 14, 1998	Gonzalez-Martin et al.	210	748	
<i>SHV</i>	78	5,780,860	July 14, 1998	Gadgil et al.	250	432 R	
<i>SHV</i>	79	5,835,840	Nov. 10, 1998	Goswami	422	186.3	
<i>SHV</i>	80	5,846,437	Dec. 8, 1998	Whitby et al.	210	748	
<i>SHV</i>	81	5,874,740	Feb. 23, 1999	Ishiyama	250	431	
<i>SHV</i>	82	5,885,449	Mar. 23, 1999	Bergmann et al.	210	198.1	
<i>SHV</i>	83	5,911,910	Jun. 15, 1999	Becraft et al.	252	188.28	
<i>SHV</i>	84	5,925,320	July 20, 1999	Jones	422	121	
<i>SHV</i>	85	5,933,702	Aug. 3, 1999	Goswami	422	186.3	
<i>SHV</i>	86	5,937,266	Aug. 10, 1999	Kadoya	422	186.3	
<i>SHV</i>	87	5,942,110	Aug. 24, 1999	Norris	210	198.1	
<i>SHV</i>	88	5,952,663	Sept. 14, 1999	Blatchley, III et al.	250	435	
<i>SHV</i>	89	5,958,336	Sept. 28, 1999	Duarte	422	24	
<i>SHV</i>	90	5,961,920	Oct. 5, 1999	Söremark	422	24	
<i>SHV</i>	91	5,997,812	Dec. 7, 1999	Burnham et al.	422	24	
<i>SHV</i>	92	6,013,917	Jan. 11, 2000	Ishiyama	250	430	
<i>SHV</i>	93	6,071,473	June 6, 2000	Darwin	422	20	
<i>SHV</i>	94	6,083,387	July 4, 2000	LeBlanc et al.	210	199	
<i>SHV</i>	95	6,090,296	July 18, 2000	Oster	210	748	
<i>SHV</i>	96	6,120,691	Sept. 19, 2000	Mancil	210	748	
<i>SHV</i>	97	6,126,841	Oct. 3, 2000	Whitby et al.	210	748	



M03A288

<i>SHV</i>	128	6,129,893	Oct. 10, 2000	Bolton et al.	422	23	
<i>SHV</i>	99	6,149,343	Nov. 21, 2000	Lewis et al.	405	127	
<i>SHV</i>	100	6,150,663	Nov. 21, 2000	Rosenthal	250	435	
<i>SHV</i>	101	6,183,652	Feb. 6, 2001	Crevasse et al.	210	748	
<i>SHV</i>	102	6,193,939	Feb. 27, 2001	Kozlowski	422	186.3	
<i>SHV</i>	103	6,202,384	Mar. 20, 2001	Kurth et al.	53	141	
<i>SHV</i>	104	6,217,834	Apr. 17, 2001	Hosein et al.	422	186.3	
<i>SHV</i>	105	6,231,820	May 15, 2001	Wedekamp	422	186.3	
<i>SHV</i>	106	6,248,235	June 19, 2001	Scott	210	192	
<i>SHV</i>	107	6,261,449	July 17, 2001	Scott	210	209	
<i>SHV</i>	108	6,264,802	July 24, 2001	Kamrukov et al.	204	158.2	
<i>SHV</i>	109	6,264,888	July 24, 2001	Palestro et al.	422	24	
<i>SHV</i>	110	6,265,835	July 24, 2001	Parra	315	246	
<i>SHV</i>	111	6,274,049	Aug. 14, 2001	Scott	210	748	
<i>SHV</i>	112	6,280,615	Aug. 28, 2001	Phillips et al.	210	198.1	
<i>SHV</i>	113	6,299,844	Oct. 9, 2001	Toa et al.	422	186	
<i>SHV</i>	114	6,319,809	Nov. 20, 2001	Chang et al.	438	597	
<i>SHV</i>	115	6,328,937	Dec. 11, 2001	Glazman	422	186.3	
<i>SHV</i>	116	6,332,981	Dec. 25, 2001	Loyd	210	198.1	
<i>SHV</i>	117	6,358,478	Mar. 19, 2002	Söremark	422	121	
<i>SHV</i>	118	6,375,833	Apr. 23, 2002	Marston et al.	210	85	
<i>SHV</i>	119	6,398,971	June 4, 2002	Butters et al.	210	748	
<i>SHV</i>	120	6,402,964	June 11, 2002	Schmid	210	748	
<i>SHV</i>	121	6,403,030	June 11, 2002	Horton, III	422	24	
<i>SHV</i>	122	6,404,111	June 11, 2002	Kunkel	313	24	
<i>SHV</i>	123	6,419,821	July 16, 2002	Gadgel et al.	210	86	
<i>SHV</i>	124	6,423,763	July 23, 2002	Blasi	523	161	
<i>SHV</i>	125	6,436,299	Aug. 20, 2002	Baarman et al.	210	748	
<i>SHV</i>	126	6,447,720	Sept. 10, 2002	Horton, III et al.	422	24	
<i>SHV</i>	127	6,447,721	Sept. 10, 2002	Horton, III et al.	422	24	
<i>SHV</i>	128	6,454,937	Sept. 24, 2002	Horton et al.	210	192	
<i>SHV</i>	129	6,454,952	Sept. 24, 2002	Thorpe	210	748	
<i>SHV</i>	130	6,459,087	Oct. 1, 2002	Kaas	250	372	
<i>SHV</i>	131	6,461,520	Oct. 8, 2002	Engelhard et al.	210	748	
<i>SHV</i>	132	6,464,884	Oct. 15, 2002	Gadgil	210	748	



M03A288

<i>SHV</i>	153	6,468,419	Oct. 22, 2002	Kunkel	210	90	
<i>SHV</i>	154	6,497,840	Dec. 24, 2002	Palestro et al.	422	24	
<i>SHV</i>	135	6,500,312	Dec. 31, 2002	Wedekamp	204	157.15	
<i>SHV</i>	136	6,500,346	Dec. 31, 2002	Taghipour et al.	210	748	
<i>SHV</i>	137	6,500,387	Dec. 31, 2002	Bigelow	422	24	
<i>SHV</i>	138	6,503,401	Jan. 7, 2003	Willis	210	748	
<i>SHV</i>	139	6,503,447	Jan. 7, 2003	Mondjian et al.	422	4	
<i>SHV</i>	140	6,534,001	Mar. 18, 2003	Michael et al.	422	24	
<i>SHV</i>	141	6,547,963	Apr. 15, 2003	Tsai	210	232	
<i>SHV</i>	142	6,565,757	May 20, 2003	Wedkamp	210	748	
<i>SHV</i>	143	6,565,803	May 20, 2003	Bolton et al.	422	24	
<i>SHV</i>	144	6,568,489	July 8, 2003	Morrow et al	422	186.3	
<i>SHV</i>	145	6,583,422	June 24, 2003	Boehme	250	432 R	
<i>SHV</i>	146	6,589,323	July 8, 2003	Korin	96	223	
<i>SHV</i>	147	6,589,489	July 8, 2003	Morrow et al.	422	186.3	
<i>SHV</i>	148	6,589,490	July 8, 2003	Parra	422	186.3	
<i>SHV</i>	149	6,599,487	July 29, 2003	Luthra et al.	422	186.3	
<i>SHV</i>	150	6,602,425	Aug. 5, 2003	Gadgil et al.	210	744	
<i>SHV</i>	151	6,605,260	Aug. 12, 2003	Busted	422	186.3	
<i>SHV</i>	152	6,610,258	Aug. 26, 2003	Strobbel et al.	422	186.3	

U.S. REISSUED PATENT AND PATENT APPLICATION DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
<i>SHV</i>	153	36,896	Oct. 3, 2000	Maarschalkerweerd	422	186.3	PCT Mar. 4, 1994
<i>SHV</i>	154	US RE38,173	July 8, 2003	Ishiyama	250	431	Feb. 23, 2001
Published							
<i>SHV</i>	155	US 2002/0033369	Mar. 21, 2002	Bender	210	748	Mar. 12, 2001
<i>SHV</i>	156	US 2002/0043504	Apr. 18, 2002	Chen et al.	210	748	Sept. 13, 2001
<i>SHV</i>	157	US 2002/0050479	May 2, 2002	Scott	210	748	Nov. 13, 2001
<i>SHV</i>	158	US 2002/0070177	June 13, 2002	Kozlowski	210	748	Oct. 12, 2001
<i>SHV</i>	159	US 2002/0081246	June 27, 2002	Tsukada et al.	422	186.3	Jan. 3, 2002
<i>SHV</i>	160	US 2002/0094298	July 18, 2002	Monagan	422	5	Dec. 13, 2001
<i>SHV</i>	161	US 2002/0098127	July 25, 2002	Bollini	422	121	Nov. 28, 2001
<i>SHV</i>	162	US 2002/0144955	Oct. 10, 2002	Barak et al.	210	748	Feb. 15, 2001



M03A288

SHV	163	US 2002/0170815	Nov. 21, 2002	Fujii	204	157.3	May 14, 2001
SHV	164	US 2002/0172627	Nov. 21, 2002	Aoyagi	422	186.3	Apr. 13, 2001
SHV	165	US 2003/0010927	Jan. 16, 2003	Wedekamp	250	436	June 18, 2002
SHV	166	US 2003/0021721	Jan. 30, 2003	Hall	422	4	Sept. 13, 2002
SHV	167	US 2003/0035750	Feb. 20, 2003	Neuberger	422	22	Aug. 16, 2001
SHV	168	US 2003/0039576	Feb. 27, 2003	Hall	422	4	PCT July 11, 2001
SHV	169	US 2003/0049809	Mar. 13, 2003	Kaiser et al.	435	173.1	July 16, 2002
SHV	170	US 2003/0064001	Apr. 3, 2003	Fries et al.	422	22	Oct. 12, 2001
SHV	171	US 2003/0089670	May 15, 2003	Saccomanno	210	748	Oct. 9, 2002
SHV	172	US 2003/0099569	May 29, 2003	Lentz et al.	422	24	Nov. 26, 2001
SHV	173	US 2003/0127603	July 10, 2003	Horowitz et al.	250	435	May 15, 2002
SHV	174	US 2003/0129105	July 10, 2003	Boehrme	422	186.3	Jan. 7, 2002
SHV	175	US 2003/0147770	Aug. 7, 2003	Brown et al.	422	24	May 17, 2002
SHV	176	US 2003/0147783	Aug. 7, 2003	Taylor	422	186.3	Feb. 27, 2003
SHV	177	US 2003/0150708	Aug. 14, 2003	Fink	204	157.3	Jan. 2, 2003
SHV	178	US 2003/0155524	Aug. 21, 2003	McDonald et al.	250	435	PCT May 3, 2001
SHV	179	US 2003/0155228	Aug. 21, 2003	Mills et al.	204	157.3	PCT Nov 30, 2000

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
							YES	NO	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER 	DATE CONSIDERED April 15, 2004
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.